

Building West Virginia DOT'S Geospatial Capabilities: The GIS WEB Portal and Straight-Line Diagram Application

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The West Virginia Department of Transportation (WVDOT) has initiated a major effort to build and develop enterprise geospatial data management and analysis capabilities. Building upon implementation of an upgraded location-referenced data model, WVDOT recently completed a GIS Web portal framework interface to be utilized as a focal point for integrated geospatial business applications. Concurrent with development of the portal, a straight-line diagram (SLD) application was developed and integrated as the initial enterprise component. This approach is designed to provide users with an easy-to-use set of geospatial tools that promote viewing and analysis of WVDOT's business data, and promote further integration with other future and existing applications, including a photo-log viewer and the agency's project tracking system.

Creating a sound data management foundation will be the key to continued success for WVDOT's geospatial program. In this presentation, we will discuss how the foundation was built, continues to evolve, and is supporting development and implementation of the applications mentioned. We will discuss the Web portal and SLD application, and describe future plans for enhancements and integration.